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PHOTOGRAPHIC INTERPRETATION REPORT

MISSION COVERAGE INDEX MISSION 6058 23 JUNE 1962

NPIC/R-199/64 March 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Declassification Review by NIMA / DoD

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PREFACE

This <u>Mission Coverage Index</u> (MCI) lists targets of intelligence interest in North Vietnam and South Vietnam covered by aerial photographic material from Mission 6058, dated 23 June 1962. Items in the compilation are arranged in three sections:

Section I provides summary information for a) newly identified targets, b) previously reported targets which show a change, and c) all targets showing order of battle information.

Section II provides a listing of those targets which reflect no change in facilities from previous target descriptions. The mission number shown on the photo reference line (e.g. NAC 6000) refers to the MCI which contains the most adequate description of that target. Military installations where no order of battle can be determined are listed under this section.

Section III provides a listing of those targets which could be identified but not interpreted.

All three sections are arranged 1) by country, 2) within a country by subject, 3) within a subject by WAC area, and 4) within a WAC area by coordinates reading from south to north and from west to east.

For convenience of the user, an index to all targets has been included following Section III. Targets in the index are listed 1) by country and 2) alphabetically by place name within each country. An explanation of column headings, COMOR target numbers, photo reference data, and symbols indicating conditions which affect the appearance of the target on the photography is contained in the appendix.

The user of this MCI is cautioned that the scan of photography was accomplished in a relatively short time and often without the aid of precise analytical and mensural techniques commonly employed in detailed photographic analysis. Consequently, although the information presented herein is essentially accurate, additional, detailed analysis may somewhat alter portions of the information.

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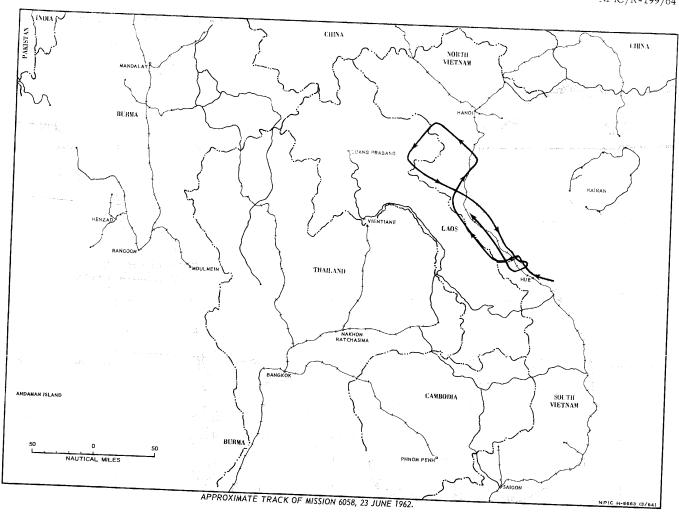
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SECTION I

THIS SECTION PROVIDES SUMMARY INFORMATION FOR A) NEWLY IDENTIFIED TARGETS, B) PREVIOUSLY REPORTED TARGETS WHICH SHOW A CHANGE, AND C) ALL TARGETS SHOWING ORDER OF BATTLE INFORMATION.

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	Cia. Inabellation	City, Installation Coordinates		WAC	Installati	tion Numbers	
1	City, installation	Coording	ores	WAC	BE	NPIC	
]] 25X1D	-NORTH VIETNAM- AIR INSTALLATIONS VINH AIRFIELD 3.5 NM NORTH OF VINH. 4,850 X 165 FT N/S LATERITE RUNWAY, SERVICEABLE. EXTENSIVE GRADING OBSERVED ADJACENT TO NORTH END OF RUNWAY. AIRCRAFT 7 CAB. COMOR TARGET NO	1843N 1	0540E	Ø617		25X1A 128-A	
25X1D	MILITARY INSTALLATIONS XOM THAM, MILITARY AREAS IN XOM THAM AT UTM COORDINATES XEØ21615. FENCED, POSSIBLE MILITARY CAMP CONTAINS 3 SMALL BARRACKS AND 2 SUPPORT BUILDINGS.	1744N 1	Ø557E	Ø617		402	
25X1D	DON BAI DINH AREA, MILITARY CAMP NORTH .5 NM NORTH OF DON BAI DINH. CAMP CONTAINS 4 BARRACKS-TYPE AND APPROXIMATELY 15 ASSOCIATED BUILDINGS AND SHEDS.	1746N 1	Ø546E	Ø617		228	
	BEN QUANG ARMY BARRACKS SOUTHWEST 1.8 NM ESE OF BEN QUANG. PROBABLE IRRIGATION OR FLOOD CONTROL DAM UNDER CONSTRUCTION. EXTENSIVE EARTHMOVING ACTIVITY AND WORKERS HOUSING BUT NO MILITARY ACTIVITY OBSERVED IN THE AREA.	1700N 1	Ø656E	Ø617		218	

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		C 11 .	WAC	Installatio	n Numbers
	City, Installation	Coordinates	WAC	BE	NPIC
25X1D 25X1D	THIS AREA WAS REPORTED ERRONEOUSLY IN SITSUM AS BEN QUANG MILITARY CAMP UNDER CONSTRUCTION. COMOR TARGET NO 25X1A				
25X1D 25X1D 25X1D	QUAN TAY AREA, MILITARY COMPLEX ONE NM SE TO 1.5 NM NW OF QUANG TAY ALONG WEST SIDE OF ROUTE ONE. NO APPARENT CHANGE SINCE MISSION EXCEPT AN OCCUPIED PROBABLE LIGHT 6-GUN AAA SITE, PROBABLE TRENCHING, AND EXTENSIVE TRACK ACTIVITY OBSERVED IN COMPLEX.	1707N 10657E	Ø617		180
25X1D	MY TRACH AREA, BARRACKS AREA 1.4 NM SE OF MY TRACH. POSSIBLE MILITARY AREA CONTAINS 8 BARRACKS-TYPE AND 6 SMALL SUPPORT BUILDINGS. TRACK ACTIVITY OBSERVED THROUGHOUT THE AREA.	171ØN 1Ø649E	Ø617		335-A
25X1D 25X1D	BADON AREA, NAVAL FACILITY 2 NM SE OF BADON ON EAST BANK OF SONG GIANG (RIVER). NO APPARENT CHANGE IN FACILITIES FROM MISSION VESSELS 7 SWATOW-CLASS MOTOR GUN BOATS.	1743N 1Ø626E	Ø617		1Ø2-D
	DONG AP AREA, MILITARY BARRACKS 1.5 NM EAST OF DONG AP. BARRACKS AREA, IN EARLY STAGES OF CONSTRUCTION, CONTAINS 4 BARRACKS AND 4	1818N 10541E	Ø617		109-D

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25X1D

25X1D

25X1D

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City, Installation	Coordinates	WAC		tion Numbers
			BE	NPIC
PROBABLE SUPPORT BUILDINGS AND 5 OTHER BUILDINGS UNDER CONSTRUCTION. HA TINH, MILITARY INSTALLATIONS CITADEL IN HA TINH CONTAINS APPROXIMATELY 115 BUILDINGS. SIX SECURED MILITARY AREAS OBSERVED WITHIN A .5 NM RADIUS OF THE CITADEL (3 WEST AND 3 SOUTH). FIVE AREAS CONTAIN A TOTAL OF 35 BARRACKS, 9 ADMINISTRATION BUILDINGS, 25 MAINTENANCE/ SUPPORT BUILDINGS, AND ONE ADMINISTRATION BUILDING AND ONE BARRACKS UNDER CONSTRUCTION. THE SIXTH AREA, APPARENTLY A STORAGE CENTER, CONTAINS 12 STORAGE BUILDINGS, 2 SUPPORT	1820N: 10554E:	Ø617		109
YEN LUU, NAVAL FACILITY 4 NM EAST OF VINH ON SE EDGE OF YEN LUU. NO FACILITIES OBSERVED. VESSELS — 4 PROBABLE SWATOW CLASS MOTOR GUN BOATS MOORED IN THE SONG CA (RIVER).	184ØN 10544E	Ø617		128-X
MY HAN, MILITARY INSTALLATION NORTH EDGE OF MY HAN AT UTM COORDINATES WF684692. SECURED INSTALLATION CONTAINS 32 BARRACKS, 2 LARGE ADMINISTRATION BUILDINGS (ONE UNDER CONSTRUCTION), AND 15 STORAGE/SUPPORT BUILDINGS.	1843N 10539E	Ø617		333

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				Installation Numbers		
City, Installation	Coor	dinates	WAC	BE	NPIC	
VINH, ARMY BARRACKS NNE 4 NM NNE OF VINH AT UTM COORDINATES WF727718. TWO ADJOINING AREAS CONTAIN 21 BARRACKS, ONE ADMINISTRATION BUILDING, 4 MESS HALLS, 2 STORAGE BUILDINGS. AND 8 SUPPORT BUILDINGS.	1844N	105416	Ø617		128-E	
MY TRUNG AREA, MILITARY INSTALLATIONS FOUR MILITARY AREAS SOUTH OF VINH SON. (AREAS REFERENCED FROM VINH SON.)	1851N	1Ø518E	Ø617		306-A	
AREA A (ONE NM SE AT UTM COORDINATES WF340880) TWO 4-GUN AAA SITES, ONE OCCUPIED, AND A POSSIBLE SCHOOL EAST OF THE AREA.						
AREA B (3 NM SOUTH AT UTM COORDINATES 320840) — SECURED, ENTRENCHED BARRACKS AREA CONTAINS 8 LARGE BARRACKS, ONE ADMINISTRATION BUILDING, 2 PROBABLE MESS HALLS, 7 STORAGE BUILDINGS, 8 SUPPORT BUILDINGS, AND 7 BUILDINGS UNDER CONSTRUCTION.						
AREA C (5 NM SOUTH AT UTM COORDINATES WF33Ø81Ø) BARRACKS AREA CONTAINS 14 BARRACKS, ONE ADMINISTRATION BUILDING, ONE MESS HALL, 9 SUPPORT BUILDINGS, AN ATHLETIC FIELD, AND EXTENSIVE TRENCHING.						
AREA D (3 NM SSE, IMMEDIATELY EAST OF AREA B AT UTM COORDINATES WF335830) STORAGE AREA CONTAINS 7 LARGE STORAGE (ONE DRIVE-THROUGH), 3 SMALL STORAGE AND APPROXIMATELY 5 SUPPORT						

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→	City, Installation	Coordinates	WAC	Installation Numbers		
			""	BE NPIC		
25X1D 25X1D 25X1D	BUILDINGS. VINH SON, ARMY SUPPLY DEPOT SW ONE NM SOUTH OF VINH SON. NO APPARENT CHANGE IN FACILITIES FROM MISSION EXCEPT AREA C IS LOCATED ONE NM ESE OF VINH SON, NOT WSW.	1853N 10518E	Ø617	3Ø6-N		
25X1D	NOI TRUNG AREA, POSSIBLE MILITARY CAMP 1.5 NM WSW OF NOI TRUNG AT UTM COORDINATES WF458927. POSSIBLE MILITARY CAMP CONTAINS ONE H-SHAPED ADMINISTRATION, ONE MULTISTORIED ADMINISTRATION, ONE L-SHAPED ADMINISTRATION, AND 26 BARRACKS/STORAGE TYPE BUILDINGS. EXTENSIVE DRIVER TRAINING AREA 2 NM WEST OF BARRACKS AREA CONTAINS APPROXIMATELY 20 PROBABLE CARGO TRUCKS.	1856N 10526E	Ø617	279		
25X1D	THANH HOA, POSSIBLE MILITARY AREAS ONE NM SE OF THANH HOA AT UTM COORDINATES WG824890. PROBABLE BARRACKS AREA UNDER CONSTRUCTION CONTAINS 7 PROBABLE BARRACKS, 3 PROBABLE BARRACKS UNDER CONSTRUCTION, ONE MESS HALL, ONE ADMINISTRATION BUILDING, AND 9 STORAGE/ SUPPORT BUILDINGS. HAZE AND SEMIDARKNESS PRECLUDE FURTHER INTERPRETATION.	1947N 10546E	Ø617	126-Н		

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Installation Numbers

City, Installation	Coordinates	WAC	BE	NPIC
INDUSTRY				
VINH AREA, POSS LIGHT INDUSTRY U/C 2.8 NM EAST OF VINH ON NORTH SIDE OF SONG CA (RIVER). PARTIALLY SECURED AREA CONTAINS 7 COMPLETED BUILDINGS, 8 BUILDINGS UNDER CONSTRUCTION, 10 WORKERS QUARTERS, 5 STORAGE BUILDINGS, ONE SUPPORT BUILDING, AND APPROXIMATELY 10 OTHER BUILDINGS.	184ØN 1Ø542E	Ø617		128-U
ROUTE 12, SEGMENT 1 ROAD OBSERVED THROUGH SCATTERED CLOUDS FROM 17-40N 105-46E, NEAR THE LAOS/VIETNAM BORDER, TO APPROXIMATELY 18-01N 105-52E, NEAR BAI DUC THON. WIDENING AND IMPROVEMENT OBSERVED ALONG A 22 NM SOUTHERN STRETCH. A PROBABLE 3-SPAN BRIDGE AT UTM COORDINATES WE865858, IN EARLY STAGES OF CONSTRUCTION. A CONSTRUCTION CAMP .5 NM WEST OF THE BRIDGE CONTAINS 25 BUILDINGS AND HUTS. A SECOND BRIDGE, IN MID-STAGES OF CONSTRUCTION AT UTM COORDINATES WE885884, WILL PROBABLY BE A SINGLE-LANE, SINGLE-SPAN DECK BRIDGE. A CLEARED OPEN STORAGE AREA CONTAINING APPROXIMATELY 25 LARGE AND SEVERAL SMALLER STACKS OF EITHER CANVAS-COVERED OR CRATED UNIDENTIFIED MATERIALS OBSERVED AT UTM COORDINATES WE870840 ON THE EAST SIDE OF THE ROAD JUST SOUTH OF XOM CA TRANG.	1740N 10546E	9617		116-B

25X1D

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1	City, Installation	Coordinates	WAC	Installat	ion Numbers
1			WAC.	BE	NPIC
25X1A 25X1D 25X1D	HOAN LAG AREA, ROAD IMPROVEMENT ROAD CONSTRUCTION IN EARLY STAGE OBSERVED ALONG NUMEROUS UNCONNECTED SECTIONS FROM JUNCTION AT 17-35N 106-32E WEST TO CUONG HA AT 17-38N 106-23.	1735N 10632E	Ø617		307-A
25X1D	XUAN SON AREA, ROAD IMPROVEMENT ROAD OBSERVED FROM XOM THAM TO A POINT 3.5 NM EAST OF XUAN SON AT 17-37N 106-22E. ROAD APPEARS TO BE SINGLE LANE, NATURAL SURFACE AND CAPABLE OF HANDLING ONLY LIMITED TRAFFIC OVER THE GREATER PART. IMPROVEMENT AND WIDENING WERE OBSERVED OVER A 6 NM STRETCH EXTENDING GENERALLY WNW FROM CHA NOI AT 17-38N 106-17E. A NEW ROAD IN MID-STAGE OF CONSTRUCTION WAS OBSERVED GENERALLY SE FROM THE ESE END OF THE ROAD TO 17-19N 106-37E. WHEN COMPLETED IT WILL PROBABLY BE A 2-LANE, GRAVEL, ALL WEATHER HIGHWAY. NO BRIDGES HAVE BEEN CONSTRUCTED ON THIS SECTION YET.	1736N 1Ø618E	Ø617		344
25X1D 25X1A	THANH YEN HIGHWAY BRIDGE OVER RAO DA SINGLE LANE, DECK-TYPE HIGHWAY BRIDGE, Ø.5 NM SW OF THANH YEN, IS SERVICEABLE, 435 FT LONG, WITH A DUAL LANE CENTER SECTION TØ BY 15 FT. FERRY LANDING OBSERVED IMMEDIATELY EAST OF BRIDGE. COMOR TARGET NO	1738N 1Ø631E	Ø617		3Ø7-8
 •					25X1A

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.752N	1Ø6Ø3E	Ø617	BE	243-A 25X1A
		Ø617		
1838N				25X1A
1838N				
	1Ø542E	Ø617		299
17278	186275	9617		245
1/3/N	TNOSIE	9017		
	1737N	1737N 1Ø627E	1737N 10627E 0617	1737N 10627E 0617

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25X1D

25X1D

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City, Installation	Coordinates	WAC	Installa	tion Numbers	_
			BE	NPIC	_
AIR INSTALLATIONS					
HUE CITADEL AIRFIELD NW EDGE OF HUE. 1,800 x 100 FT NW/SE GRADED EARTH RUNWAY, SERVICEABLE. ONE PROBABLE HANGAR AND A PARKING APRON OBSERVED EAST OF SECEND OF RUNWAY. AIRCRAFT NONE OBSERVED.	1628N 1Ø734E	Ø617		238-E	
VAN XA AREA, LANDING STRIP 1.8 NM WSW OF VAN XA. 1.800 X 150 FT N/S GRADED EARTH RUNWAY, PROBABLY SERVICEABLE. AIRCRAFT NONE OBSERVED.	1630N 10728E	Ø617		261-A 25X1A	
QUANG TRI 3 AIRFIELD UNDER CONSTRUCTION 3.5 NM SOUTH OF QUANG TRI AT UTM COORDINATES YD334751. ESTIMATED 2,000 X 200 FT ENE/WSW RUNWAY IN EARLY STAGES OF CONSTRUCTION. WALLED, IRREGULARLY SHAPED STRONGPOINT OBSERVED IMMEDIATELY WEST OF WSW END OF RUNWAY. IT CONTAINS 3 SMALL BUILDINGS AND SEVERAL WEAPONS POSTIONS. THREE TRUCKS OBSERVED IN THE AREA. TWO TRUCKS AND ONE UNIDENTIFIED PIECE OF EQUIPMENT OBSERVED ON THE RUNWAY. AIRCRAFT NONE OBSERVED.	1641N 10711E	Ø617		179-E	

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				Installatio	
	City, Installation	Coordinates	WAC	BE	NPIC
	QUANG TRI 1 AIRFIELD .5 NM WSW OF QUANG TRI AT UTM COORDINATES YD332529. APPROXIMATELY 2,000 X 150 N/S SOD RUNWAY,	1645N 107118	9617		179-C
25X1D 25X1D	SERVICEABLE. FACILITIES COMPRISE ONE LARGE AND ONE SMALL ADMINISTRATION BUILDING WEST OF RUNWAY. AIRCRAFT NONE OBSERVED. DONG HA AIRFIELD .5 NM SOUTH OF DONG HA. 4,000 X 80 FT ENE/WSW PROBABLE LATERITE RUNWAY, SERVICEABLE. FACILITIES INCLUDE ONE BUILDING. AIRCRAFT NONE OBSERVED.	1648N 10706	E Ø617		25X1A 253-A
	MILITARY INSTALLATIONS MAI LANH PHUONG, STRONGPOINT .2 NM WEST OF MAI LANH PHUONG STRATEGIC HAMLET AT UTM COORDINATES YDØ34448. FENCE— AND WALL-SECURED TRIANGULAR STRONGPOINT CONTAINS 4 SMALL BUILDINGS AND 3 GUARD POSTS. SMALL, RECTANGULAR FENCED AREA ON SE EDGE OF STRONGPOINT CONTAINS 3 SMALL BUILDINGS.	164ØN 10654	E Ø617		351-B
25X1D	LANG PHUDC AREA, STRONGPOINT .5 NM SSW OF LANG PHUOC. STRONGPOINT COMPRISES 6 BUILDINGS SURROUNDED	1648N 1Ø658	BE Ø617		254

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1	City, Installation	Coordinates	WAC		ion Numbers
•		 		BE	NPIC
25X1D	BY A TRENCH SYSTEM.				
25X1D	VAN XA AREA, MILITARY CAMP NO MILITARY CAMP OBSERVED .5 NM WNW OF VAN XA AS REPORTED IN MISSION 3.3 NM SW OF VAN XA AT UTM COORDINATES YD619236. MILITARY CAMP COMPRISES 2 ADJACENT FENCED AREAS CONTAINING A TOTAL OF 46 BARRACKS—TYPE AND APPROXIMATELY 25 SUPPORT BUILDINGS. A	1631N 10729E	Ø617 ·		261
25X1D	THE CAMP.				
25X1D	BA: DA AREA, MILITARY STRONGPOINT APPARENTLY: INACTIVE. AREA OVERGROWN WITH BRUSH, WITH ONLY 2 BUILDINGS REMAINING.	1634N 10713E	Ø617		262
]	QUANG TRI AREA, MILITARY COMPLEX 1.3 NM SSE OF QUANG TRI. COMPLEX COMPRISES 6 BARRACKS AREAS (2 WALLED AND 3 ENTRENCHED) CONTAINING APPROXIMATELY 22Ø BARRACKS/SUPPORT BUILDINGS, WAREHOUSE AREA WITH 23 BUILDINGS, REVETTED OPEN STORAGE AREA, AND 6 FA PIECES AND 6Ø VEHICLES.	1645N 10712E	Ø617		179-В
25X1D					
	CAM LO AREA, MILITARY CAMP •5 NM SW OF CAM LO AT UTM COORDINATES YD126592. FENCED TRIANGULAR STRONGPOINT WITH GUARD POSTS AT CORNERS CONTAINS 3 BUILDINGS.	1648N 10700E	Ø617		256-A
1	A	D70D045004000004			

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City, Installation	Coordinates	WAC	BE	NPIC
DONG HA, MILITARY COMPLEX 5 NM WSW OF DONG HA. NO APPARENT CHANGE IN FACILITIES FROM MISSION VFHICLES 4 TRUCKS.	Coordinates 1649N 10706E	Ø617		NPIC
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SECTION II

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH REFLECT NO CHANGE IN FACILITIES FROM PREVIOUS TARGET DESCRIPTION. THE MISSION NUMBER SHOWN ON THE PHOTO REFERENCE LINE (E.G., NAC 9000) REFERS TO THE MCI WHICH CONTAINS THE MOST ADEQUATE DESCRIPTION OF THAT TARGET. MILITARY INSTALLATIONS WHERE NO ORDER OF BATTLE CAN BE DETERMINED ARE LISTED UNDER THIS SECTION.

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SECTION III

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH COULD BE IDENTIFIED BUT NOT INTERPRETED.

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THIS INDEX PROVIDES A LISTING OF ALL TARGETS CONTAINED IN SECTIONS 1, 11, AND III. THE INDEX IS ARRANGED ALPHABETICALLY BY PLACE NAME WITHIN COUNTRY.

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DONG HOI, AAA DEFENSES DONG HOI, CITADEL DONG QUI, MILITARY CAMP DUC MAU AREA, MILITARY STORAGE AREA HA THON, MILITARY COMPLEX HA TINH, MILITARY INSTALLATIONS HAI TRACH AREA, MILITARY CAMP HOAN LAD AREA, ROAD IMPROVEMENT HON MATT ISLAND ILE HON NE KHE BO AREA, MINING ACTIVITY KIEU DAI, BARRACKS AREAS LANG DUNG, MILITARY CAMP LANG MO AREA, MILITARY CAMP LANG MOC AREA, MILITARY CAMP MUDNG SEN, MILITARY CAMP MY HAN, MILITARY INSTALLATION MY HAA, MILITARY INSTALLATION MY HOA AREA, MILITARY INSTALLATION MY TRACH AREA, BARRACKS AREA MY IRUNG AREA, MILITARY INSTALLATIONS NGHIA HUNG (CU LAM AREA), MILITARY AREA NGHIA HUNG AREA, AMMUNITION DEPOT NGHIA HUNG AREA, MILITARY COMPLEX NGHIA HUNG AREA, MILITARY COMPLEX NGHIA HUNG AREA, POSSIBLE MILITARY CAMPS NOI TRUNG AREA, POSSIBLE MILITARY CAMP PHU LE AREA, REVETTED STORAGE PHU THI AREA, MILITARY COMPLEX PHUONG TIEU AREA, MILITARY COMPLEX PHUONG TIEU AREA, MILITARY COMPLEX QUAN TAY AREA, MILITARY COMPLEX RAO TRACH AREA, DAM UNDER CONSTRUCTION	PAGE	
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APPENDIX

EXPLANATION OF COLUMN HEADINGS AND PHOTO REFERENCES

COLUMN HEADINGS

City, Installation--This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. Where appropriate, the city and installation names are followed by a capsule description.

<u>Coordinates</u>--Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

<u>WAC</u>--This column provides the World Aeronautical Chart number for the area in which the subject installation is situated.

Installation Numbers--This column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the installation. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC.

For example, there is an NPIC target number 0499-15-A and an NPIC target number 0498-15-A. In each instance, the NPIC installation number is 15-A, but the installations appear on different WAC charts.

COMOR TARGET NUMBERS

Target numbers assigned by the Committee on Overhead Reconnaissance (COMOR), when available, are listed directly above the photo reference data.

PHOTO REFERENCE DATA

The photo reference data indicates the frame(s) on which the installation appears.

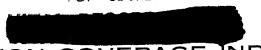
CONDITIONS AFFECTING PHOTOGRAPHY

Following the photo reference data, symbols indicate conditions which affect the appearance of the installation on the photography. The symbols are: C(clear); SC (scattered clouds); HC (heavy clouds); SC-HC (scattered-to-heavy clouds); H (haze); CS (cloud shadow); SD (semidarkness); O (obliquity); and PQ (poor image quality).

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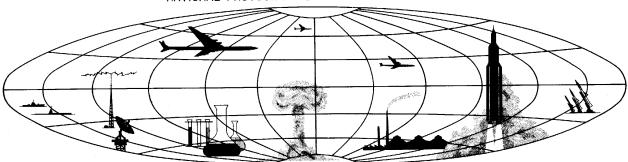


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